



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090613

Mode: Highway

Status: Submitted

NC-274 (Union Road)

From/Cross Street: Gaston Day School Road

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: SR 2439 (Beaty Road)

Project Category: Regional Impact

Length: 1.65

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$22,538,000

Description:

Widen the existing two-lane facility to three lanes with a portion on new location with sidewalks and bike lanes on both sides of road.

Division(s): Division 12

County(s): GASTON

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 49.89

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 39.37	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 87.89		
[Travel Time] Benefit/Cost (25%) 0.14		
Accessibility / Connectivity (10%) 12.25		
Totals: Weight: 70% Weighted Score: 19.89		

Division Needs Total Score: 16.69

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 39.37	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 87.89		
[Travel Time] Benefit/Cost (20%) 0.14		
Totals: Weight: 50% Weighted Score: 16.69		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.7
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9374.12
Capacity:	15790.73
Volume/Capacity Ratio:	0.59
% Autos:	94%
% Trucks:	6%
Truck Volume:	594.76
Crash Density:	98.58
Crash Severity:	76.9
Critical Crash Rate:	88.21
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	38.37
Travel Time Index:	1.17

Project Benefits

Project Cross-Section:	3C - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.65
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	144609.49
Travel Time Savings for 30 Years (Autos):	135434.38
Travel Time Savings for 30 Years (Trucks):	9175.11
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$20,634,000	TIP Unit
Right-of-Way Cost:	\$1,700,000	Cost Estimation Tool
Utilities Cost:	\$204,000	Cost Estimation Tool
Total Project Cost:	\$22,538,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$22,538,000	